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Electronic Patent Application Submission  
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SEP 29 2003  
TC 1700

EFS ID: 48131  
Application ID: 09980168  
Title of Invention: A CATALYST FOR ETHYLENE  
HOMO- AND CO-  
POLYMERIZATION  
First Named Inventor: Chun Yang  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2001-11-27  
Effective Receipt Date: 2003-09-22  
Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 1183  
Attorney Docket Number: 5333-02500  
Total Fees Authorized: 180.0  
Payment Category: Deposit Account  
Deposit Account Number: 501505  
Deposit Account Name: Eric B. Meyertons  
Access Code: \*\*\*\*  
RAM Payment Status: RAM success  
RAM User ID: EFSPROD  
RAM Accounting Date: 2003-09-22  
RAM Sequence Number: 18



Digital Certificate Holder: cn=Eric B. Meyertons,ou=Registered Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: 31e22def69ef7b859db2182eff138cb60be29d7e

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|  |   |                      |                       |
|--|---|----------------------|-----------------------|
| <b>Title of<br/>Invention</b>  | <b>A CATALYST FOR ETHYLENE HOMO- AND CO-<br/>POLYMERIZATION</b> |                      | <b>TC 1700</b>        |
| Application Number: 09/980168<br>Date: 2001-11-27<br>First Named Applicant: Chun Byung Yang<br><br>Confirmation Number: 1183<br>Attorney Docket Number: 5333-02500   |   |                      |                       |
| <p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p> |   |                      |                       |
| <b>Submitted by:</b>   |   | <b>Elec. Sign.</b>   | <b>Sign. Capacity</b> |
| Eric B. Meyertons<br>Registered Number: 34,876   |   | Eric B. Meyertons    | Attorney              |
| <b>Documents being submitted</b>   |   | <b>Files</b>         |                       |
| us-fee-sheet   |   | 6.20.2003-usfees.xml |                       |
|  |   | us-fee-sheet.xsl     |                       |
|  |   | us-fee-sheet.dtd     |                       |
| us-ids   |   | 6.20.2003-usidst.xml |                       |
|  |   | us-ids.dtd           |                       |
|  |   | us-ids.xsl           |                       |

Comments

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# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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|  |  |            |            |                 |      |       |          |
|--|--|------------|------------|-----------------|------|-------|----------|
| Title of<br>Invention  | A CATALYST FOR ETHYLENE HOMO- AND CO-TC 170C<br>POLYMERIZATION |            |            |                 |      |       |          |
| Application Number: 09/980168<br>Confirmation Number: 1183<br>First Named Applicant: Chun Yang<br>Attorney Docket Number: 5333-02500<br>Art Unit: 1754<br>Examiner: Nguyen N. C.<br>Search string: ( 3332927 or 3632620 or 4013823 or 4107415<br>or 4263169 or 4380507 or 4384983 or 4434282<br>or 4514513 or 4529716 or 4614727 or 4642328<br>or 4761392 or 5006499 or 5064798 or 5104838<br>or 5346872 or 5439995 or 5455316 or 5587436<br>or 5643845 or 5798424 or 5817591 or 5849655<br>or 5880056 or 5965478 or 6559250 ).pn. |  |            |            |                 |      |       |          |
| <b>US Patent Documents</b><br>Note: Applicant is not required to submit a paper copy of cited US Patent Documents  |  |            |            |                 |      |       |          |
| init   | Cite.No.   | Patent No. | Date       | Patentee        | Kind | Class | Subclass |
|  | 1  | 3332927    | 1967-07-25 | Cottingham      |      |       |          |
|  | 2  | 3632620    | 1972-01-04 | Kober et al.    |      |       |          |
|  | 3  | 4013823    | 1977-03-22 | Longi et al.    |      |       |          |
|  | 4  | 4107415    | 1978-08-15 | Giannini et al. |      |       |          |
|  | 5  | 4263169    | 1981-04-21 | Scata et al.    |      |       |          |
|  | 6  | 4380507    | 1983-04-19 | Noristi et al.  |      |       |          |
|  | 7  | 4384983    | 1983-05-24 | Hoff            |      |       |          |
|  | 8  | 4434282    | 1984-02-28 | Esneault        |      |       |          |
|  | 9  | 4514513    | 1985-04-30 | Sato et al.     |      |       |          |
|  | 10   | 4529716    | 1985-07-16 | Banzi et al.    |      |       |          |
|  | 11   | 4614727    | 1986-09-30 | Longi et al.    |      |       |          |
|  | 12   | 4642328    | 1987-02-10 | Morteroi et al. |      |       |          |
|  | 13   | 4761392    | 1988-08-02 | Shiga et al.    |      |       |          |

|  |    |         |            |                   |
|--|----|---------|------------|-------------------|
|  | 14 | 5006499 | 1991-04-09 | Daire             |
|  | 15 | 5064798 | 1991-11-12 | Chang             |
|  | 16 | 5104838 | 1992-04-14 | Fujita et al.     |
|  | 17 | 5346872 | 1994-09-13 | Menon et al.      |
|  | 18 | 5439995 | 1995-08-08 | Bailly et al.     |
|  | 19 | 5455316 | 1995-10-03 | Tsutsui et al.    |
|  | 20 | 5587436 | 1996-12-24 | Klimek et al.     |
|  | 21 | 5643845 | 1997-07-01 | Tajima et al.     |
|  | 22 | 5798424 | 1998-08-25 | Kong et al.       |
|  | 23 | 5817591 | 1998-10-06 | Shamshourm et al. |
|  | 24 | 5849655 | 1998-12-15 | Shamshourm et al. |
|  | 25 | 5880056 | 1999-03-09 | Tsutsui et al.    |
|  | 26 | 5965478 | 1999-10-12 | Goto et al.       |
|  | 27 | 6559250 | 2001-05-06 | Ro et al.         |

### Remarks

Note: Remarks are not for responding to an office action.

Foreign patents and other art will be submitted on a Form PTO 1449.

### Signature

|               |      |
|---------------|------|
| Examiner Name | Date |
|               |      |

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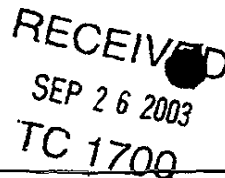
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TC 1700

| <b>Title of<br/>Invention</b>   | <b>A CATALYST FOR ETHYLENE HOMO- AND CO-<br/>POLYMERIZATION</b> |                 |             |           |             |   |      |     |     |
|---|---|-----------------|-------------|-----------|-------------|---|------|-----|-----|
| Application Number: 09/980168<br>Date: 2001-11-27<br>First Named Applicant: Chun Byung Yang<br>Attorney Docket Number: 5333-02500<br>Art Unit: 1754<br>Examiner: Nguyen N. C.   |   |                 |             |           |             |   |      |     |     |
| <b>TOTAL FEE AUTHORIZED \$180</b><br><br>Patent fees are subject to annual revisions on or about October 1st of each year.  |   |                 |             |           |             |   |      |     |     |
| <b>BASIC FILING FEE</b>   |   |                 |             |           |             |   |      |     |     |
| <table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table>  |   | Fee Description | Fee Code    | Amount \$ | Fee Paid \$ | Submission Of Information Disclosure Stmt Fee | 1806 | 180 | 180 |
| Fee Description   | Fee Code  | Amount \$       | Fee Paid \$ |           |             |   |      |     |     |
| Submission Of Information Disclosure Stmt Fee   | 1806  | 180             | 180         |           |             |   |      |     |     |
| <b>AUTHORIZED BILLING INFORMATION</b><br>The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:<br>Deposit account number: 501505<br>Access Code *****<br>Deposit name: Meyertons, Hood, Kivlin, Kowert, Goetzel, P.C.<br>Deposit authorized name: Eric B. Meyertons<br>Signature: Eric B. Meyertons<br>Date (YYYYMMDD): 2003-09-22<br><br>Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17. |   |                 |             |           |             |   |      |     |     |



**List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use several sheets if necessary)**

ATTY. DOCKET NO: 5333-02500

APPLICANT: Yang, Chun, B.

FILING DATE: November 27, 2001

SERIAL NO: 09/980,168

ART UNIT: 1754

[illegible]

Cam Nguyen

iii) 7103

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Information Disclosure Statement--PTO 1449 (modified)